

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/574,469
Source: ITWP
Date Processed by STIC: 4-17-06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06



IFWP

RAW SEQUENCE LISTING

DATE: 04/17/2006

PATENT APPLICATION: US/10/574,469

TIME: 12:29:11

Input Set : A:\SQ-AIA-113.ST25.txt

Output Set: N:\CRF4\04172006\J574469.raw

3 <110> APPLICANT: Aoki, Hirofumi
 4 Kodama, Tatsuhiko
 5 Hasegawa, Kiyotaka
 6 Kajiya, Kentaro
 7 Ishimatsu, Yumiko
 8 Ogou, Masashi
 9 Yoshida, Seiichi
 10 Kishimoto, Jiro
 11 Moro, Osamu
 12 <120> TITLE OF INVENTION: Methods for Predicting Skin Stain Formation and for
 Screening
 14 Agent Capable of Inhibiting Skin Stain Formation by Means of
 15 Promoted Genes in Stained Regions as an Indicator
 17 <130> FILE REFERENCE: AIA-113-PCT
 C--> 19 <140> CURRENT APPLICATION NUMBER: US/10/574,469
 C--> 19 <141> CURRENT FILING DATE: 2006-03-31
 19 <150> PRIOR APPLICATION NUMBER: JP 2003-343549
 20 <151> PRIOR FILING DATE: 2003-10-01
 22 <150> PRIOR APPLICATION NUMBER: JP 2003-344786
 23 <151> PRIOR FILING DATE: 2003-10-02
 25 <160> NUMBER OF SEQ ID NOS: 7
 27 <170> SOFTWARE: PatentIn version 3.3
 29 <210> SEQ ID NO: 1
 30 <211> LENGTH: 758
 31 <212> TYPE: DNA
 32 <213> ORGANISM: Mouse
 35 <220> FEATURE:
 38 <400> SEQUENCE: 1
 W--> 39 aaacntttt cgtggcacag cttcctccct aggcgtgaga ctccggctcc ttcactatga 60
 41 gacttctagc cctttccggt ctgctctgca tgctgctcct ctgtttctgc attttctcct 120
 43 cagaagggag aagacatcct gccaaagtcc tgaaactcag gcgctgctgt cacctatctc 180
 45 ctagatccaa gctgacaacc tggaaaggaa accacacaag gccctgcaga ctctgcagaa 240
 47 acaagctacc agtcaagtca tgggtgggtgc ctggggctct cccacagata tagggcctcc 300
 49 tccgcccaga tgaagcggtg atgccagat gtggagacac cagaagcata cacactatgt 360
 51 tgccttgccc cttgccaatg agctgtgaca ctggaatgct tcaattcaga catcagggcg 420
 53 gatggattgc agaattccaa gtccctcattc caaaggtgac accaaccttc agagtcacta 480
 55 aggtccaggc tcagcccaca agtcaccatg gctcctccag agtaaaagtc caagattcca 540
 57 cctgtgggag ctacagatcc agagactttc aagctgacta gactgcagag aagcaagacc 600
 59 tcagtgtgat cagccgagac tacagcatct tgggaaccct cagtcagccc caaaccctta 660
 61 acacttaacc actggtctcc aaaccaacac ctgtaacttc ctaatgaaat catcaggagg 720
 63 ataccaaaag aaataaacca taaatcagca tacacacg 758
 66 <210> SEQ ID NO: 2
 67 <211> LENGTH: 2063
 68 <212> TYPE: DNA

pls explain (N) location

*Does Not Comply
Corrected Diskette Needed
(PS.1)*

See error explanation on page 5.

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Input Set : A:\SQ-AIA-113.ST25.txt

Output Set: N:\CRF4\04172006\J574469.raw

69 <213> ORGANISM: Homo sapiens

71 <400> SEQUENCE: 2

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72 ctctgcccat tgggaaacac ctctctatga ctctataaat gtccaagggtg gccccaaaggg      60
74 aggacttctg cagcacagct cccttcccag gacgtgaaaa tctgccttct caccatgagg      120
76 ctctagtgcc ttccagcct gctctgtatc ctgcttctct gcttctccat ctctccaca      180
78 gaagggaaga ggcgtcctgc caaggcctgg tcaggcagga gaaccaggct ctgctgccac      240
80 cgagtcccta gccccaaactc aacaaacctg aaaggacatc atgtgaggct ctgtaaacca      300
82 tgcaagcttg agccagagcc ccgcctttgg gtggtgcctg gggcactccc acagggtgag      360
84 cactcccaaa gcaagactcc agacagcgga gaacctcatg cctggcacct gaggtacca      420
86 gcagcctcct gtctcccctt tcagccttca cagcagttag ctgcaatgtt ggagggttc      480
88 atctcgggct gcaaggacct tgggaaagtt ccagaactcc acgtccttgt ctcaattgtg      540
90 ccatcaactt tcagagctat catgagccaa cctcagcctt ccgagtagct gggattacag      600
92 gtgtgcgcca ccacaccggg ctaatttttg cttttttttt ttttgagaca gaatctcgct      660
94 ctgttgctca ggctggagtg gagtgcagtg gcacgatctc agctcactgc agcctctgcc      720
96 tcccgggttc aggagattct cctgactcaa cctcctgagt agctgggatt acagggtgct      780
98 gccactatgc ctagctaatt tttgtatttt tagtggagac ggggttttgc cgtgttggcc      840
100 ggggtggtct cgaactcctg acctcaagtg atccaccgc atcgccccc caaagtgtctg      900
102 ggattatagg cgtgaaccac cgcgcctgtc ccattgttgt gtaattttta taattagttt      960
104 ttttaagtact tgattttatg ggcattttt tctgggatga ttggagttaa tcaataaaag      1020
106 cttgtcctgc gctagtttcg gtaagataac ttcttttaaa tcatgttttc tctgcttga      1080
108 ggtagttagg gaaagatctt aatcagtatt ttggtaatta actgattgaa ttcaagcaaa      1140
110 tgagacatca tgaacttcag tggttattga tatttcaggg tatatactg aaatgcctag      1200
112 aggatacaga tttctcattt cattctttgg tctttcattt ctctatatac agaaatgaaa      1260
114 tgacacttct gggaggcagt agaagcagga agtcaatgaa ttgagtagag ggtcccatc      1320
116 cctcaggctg tcattgatca gtgacaattt ataaaaacaa actgcaaagt ctgtggcaag      1380
118 tggctgcctg cttcctagaa ggagcccatg aaggttaaac tctgtggtcg gtatttgcaa      1440
120 gcgcggggcg tgggtggtca cgcctgtaat cctagcacct tgggaggcca aggcaggcgg      1500
122 atcacccgag gtcaggagtt tgaggatttg caagcaaaaag gtcctctcct gagtctttcc      1560
124 cagataccca gcagtgcaga ggctagctgt ggaagggttg agtgggacag gaatgtattg      1620
126 tatgccttgc cttacttgtc accattgaga ttccagaga aatgggcata acgtctctta      1680
128 acaacaacag cagaaagcaa aatacattaa cttaagggtg acaacaaaag attatcaagt      1740
130 accatgtttt ccaaccaacc agttattcgt ggtaataata aaataaagggt gggaaaatgt      1800
132 tataattttt aaggaaaactg tgtactttta aaatcttctt tatgaatac caatgttact      1860
134 gtaatcctgc tccattaaat gcagcattgt tgtcagggtc tgcctcttgc ttgggaacag      1920
136 cattgggctt ttaaatgtct gcagaatctc tgcgttcgaa ggggaattgag aatgaacttc      1980
138 ctggtactgt aatgaaaata aggtctgctc aacacagtaa acgtttcctc tcttctttaa      2040
140 aaaaaaaaaa aaaaaaaaaa aaa                                     2063

```

143 <210> SEQ ID NO: 3

144 <211> LENGTH: 742

145 <212> TYPE: DNA

146 <213> ORGANISM: Rat

148 <400> SEQUENCE: 3

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149 tttttttgtg ccactgcttc ctctctagcc gtgagactcc agctacttca ctatgcgact      60
151 tctcaccctc tccggtttgt tcttcatgct gttcctctgt ctctgcgttc tctcctcaga      120
153 agggagaaaag cgtcctgcca agttcccga actcaggcct gctgtcatct atctcctaga      180
155 tccaaaccaa taactggaaa ggaaaccaca caagaccctg cagaccatgc agaaagctag      240
157 aatccaattc atggggtggg gcctggggct ctcccacaga tatagggcct cccgaagctg      300
159 gcctccaccg agatgaaaacg ttgatggcca gttatggaga caaccttctg gccctacca      360
161 accttcatgg ccagaaaagct gtgacaccag aatgtttcac ttcagacagc tgaaggatta      420

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Input Set : A:\SQ-AIA-113.ST25.txt

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```

163 cagaattcca agccctcggt ccaaagggtgc aaccaacctt cagagtcact atgatccagg 480
165 gtcagcccac aagtcttcat ggctcctgca gagtaaaagt ccaagattcc atccctggga 540
167 gctacagatt cagagacttc caagctgact ggcgaacaga gtagcaagac ttccttgtga 600
169 tcagatgaga ttacagcatc ttaggaaccc tcggacaccc ccaaaccat agcatttaat 660
171 caacgggata tgaaccaact cctgtaactt cctaattgtaa tcaccaggag aacacaaaaa 720
173 ataataaatc ataatcaat gt 742
176 <210> SEQ ID NO: 4
177 <211> LENGTH: 20
178 <212> TYPE: DNA
179 <213> ORGANISM: Artificial
181 <220> FEATURE:
182 <223> OTHER INFORMATION: Sense Primer
184 <400> SEQUENCE: 4
185 ttctttgcct gctgctcata 20
188 <210> SEQ ID NO: 5
189 <211> LENGTH: 20
190 <212> TYPE: DNA
191 <213> ORGANISM: Artificial
193 <220> FEATURE:
194 <223> OTHER INFORMATION: Antisense Primer
196 <400> SEQUENCE: 5
197 gacaaggatg agaaaacacg 20
200 <210> SEQ ID NO: 6
201 <211> LENGTH: 20
202 <212> TYPE: DNA
203 <213> ORGANISM: Artificial
205 <220> FEATURE:
206 <223> OTHER INFORMATION: Sense Primer
208 <400> SEQUENCE: 6
209 actccggctc cttcactatg 20
212 <210> SEQ ID NO: 7
213 <211> LENGTH: 20
214 <212> TYPE: DNA
215 <213> ORGANISM: Artificial
217 <220> FEATURE:
218 <223> OTHER INFORMATION: Antisense Primer
220 <400> SEQUENCE: 7
221 ctttggaatg aggacttgga 20

```

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/574,469

DATE: 04/17/2006
TIME: 12:29:12

Input Set : A:\SQ-AIA-113.ST25.txt
Output Set: N:\CRF4\04172006\J574469.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 6

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:4,5,6,7

VARIABLE LOCATION SUMMARY

DATE: 04/17/2006

PATENT APPLICATION: US/10/574,469

TIME: 12:29:12

Input Set : A:\SQ-AIA-113.ST25.txt

Output Set: N:\CRF4\04172006\J574469.raw

Use of n's or Xaa's (NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.

Use of <220> to <223> is MANDATORY if n's or Xaa's are present.

in <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

Error Explanation: 2

Seq#:1; N Pos. 6

VERIFICATION SUMMARY

DATE: 04/17/2006

PATENT APPLICATION: US/10/574,469

TIME: 12:29:12

Input Set : A:\SQ-AIA-113.ST25.txt

Output Set: N:\CRF4\04172006\J574469.raw

L:19 M:270 C: Current Application Number differs, Replaced Current Application No
L:19 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:39 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:1
L:39 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:1
L:39 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ ID#:1
L:39 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0